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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/031,322	06/21/2002	Dieter Arabin	12308/1	5907
26646	7590	10/15/2003	EXAMINER	
KENYON & KENYON ONE BROADWAY NEW YORK, NY 10004			SCHIFFMAN, JORI	
			ART UNIT	PAPER NUMBER
			3679	

DATE MAILED: 10/15/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/031,322

Applicant(s)

ARABIN, DIETER

Examiner

Jori R. Schiffman

Art Unit

3679

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 August 2003.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 4-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 4-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 4-6 are rejected under 35 U.S.C. 102(b) as being anticipated by McCain (US 1251065).

Regarding claim 4, McCain discloses a drive bearing capable of being used in printing machines for coupling a rotating tool to a drive shaft of a servomotor comprising an element 18 located at an interface between the rotating tool 11 and the drive shaft 12 on a tool axis, the element having an axially projecting coupling cone 24 that engages a counter recess 21 of the drive shaft, the cone being releasably held in the recess by frictional engagement against nuts 25, wherein an angular position of the element is adjustable (col. 1, l. 9-11), and wherein the element is centered and configured to be secured to prevent rotation.

As to claim 5, McCain discloses an undercut 31 on an inner bore 29 of the coupling cone of the element, and a tensioning rod 32 having a spreading head 33, the rod configured to extend through the drive shaft so that the cone frictionally engages the counter recess in the drive shaft in that a releasable holding of the coupling cone latter is provided.

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In regards to claim 6, McCain discloses the drive shaft comprising channels 15, 16, and 21 that work together along with spring 32' to deliver a pressurized medium to detach the cone, released from the tightening rod from the counter recess in the drive shaft.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over McCain (US 1251065) in view of Luebke (US 5137495).

Referring to claim 7, McCain discloses a drive bearing capable of being used in printing machines for coupling a rotating tool to a drive shaft of a servomotor comprising an element 18 located at an interface between the rotating tool 11 and the drive shaft 12 on a tool axis, the element having an axially projecting coupling cone 24 that engages a counter recess 21 of the drive shaft, the cone being releasably held in the recess by frictional engagement against nuts 25, an undercut 31 on an inner bore 29 of the coupling cone of the element, and a tensioning rod 32 having a spreading head 33, the rod configured to extend through the drive shaft so that the cone frictionally engages the counter recess in the drive shaft in that a releasable holding of the coupling cone latter is provided, wherein an angular position of the element is adjustable (col. 1, l. 9-11), and wherein the element is centered and configured to be secured to prevent rotation.

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McCain fails to disclose the cone tapering down in the direction toward the drive shaft. Luebke teaches an element 4 for coupling drive shafts comprising a coupling cone 6 having a taper in the direction toward the drive shaft 16 for engaging with the tapering recess of the mating head 10. It would have been obvious at the time the invention was made to a person of ordinary skill in the art to include a taper on the coupling cone of McCain as disclosed in Luebke to cooperate with the contracted portion 21 of the socket 19, thereby creating a more secure connection.

#### ***Response to Arguments***

5. Applicant argues that McCain fails to disclose an element located at an interface between a rotating tool and drive shaft, but rather discloses the shaft and member in direct contact. The Examiner respectfully disagrees because the rotating tool is being read as reference number 11, the drive shaft as reference number 12, and the element as number 18. Thus the element is clearly located between the tool and drive shaft. Furthermore, applicant is reminded that although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

6. Applicant also argues that McCain fails to disclose a rotating tool since the crank case cover 11 of McCain is secured in place. The Examiner disagrees because, as stated in McCain, the cover is preferably detachable (col. 1, l. 46-47). Therefore the tool 11 is capable of rotating and reads on the claim.

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***Conclusion***

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jori R. Schiffman whose telephone number is 703-305-4805. The examiner can normally be reached on M-Th, and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynne Browne can be reached on 703-308-1159. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-1113.

Jori R. Schiffman  
Examiner  
Art Unit 3679

  
Lynne H. Browne  
Supervisory Patent Examiner  
Technology Center 3679

JS